Author Index

Achterberg, V. and Gercken, G.

Cytotoxicity of ester and ether lysophospholipids in *Leishmania donovani* promastigotes, 117

Aerts, D., see Delauw, M.-F., 9

Allan, D., Payare, G. and Evans, W.H.

The phospholipid and fatty acid composition of Schistosoma mansoni and of its purified tegumental membranes, 123

Anders, R.F., see Bianco, A.E., 91

Aoki, T. and Oya, H.

Inactivation of *Crithidia fasciculata* carbamoyl phosphate synthetase II by the antitumor drug acivicin, 173

Arroyo, R. and Orozco, E.

Localization and identification of an Entamoeba histolytica adhesin, 151

Ayala, A. and Kierszenbaum, F.

The effect of p-chloromercuriphenylsulfonic acid on Trypanosoma acid infection of mammalian host cells in vitro,

Azzar, G., see Sarciron, M.E., 25

Beale, G.H., see Pinswasdi, C., 159

Bera, T

The γ-guanidinobutyramide pathway of L-arginine catabolism in *Leishmania donovani* promastigotes, 183

Bianco, A.E., Culvenor, J.G., Coppel, R.L., Crewther, P.E., McIntyre, P., Favaloro, J.M., Brown, G.V., Kemp, D.J. and Anders, R.F.

Putative glycophorin-binding protein is secreted from schizonts of *Plasmodium falciparum*, 91

Bordier, C., see Ward, J., 1

Borst, P., Fase-Fowler, F. and Gibson, W.C. Kinetoplast DNA of *Trypanosoma evansi*, 31

Brown, G.V., see Bianco, A.E., 91

Cardoso de Almeida, M.-L., see Ward, J., 1

Chance, M.L., see Heath, S., 211

Coombs, G.H., see Hassan, H.F., 285

Coombs, G.H., see Scott, D.A., 139

Coombs, G.H., see Thong, K.-W., 223

Coppel, R.L., see Bianco, A.E., 91

Crampton, J.M., see Heath, S., 211

Crewther, P.E., see Bianco, A.E., 91

Culvenor, J.G., see Bianco, A.E., 91

De Jonckheere, J.F. and Gordts, B.

Occurrence and transfection of a Giardia virus, 85

Delauw, M.-F., Laurent, M., Paindavoine, P., Aerts, D., Pays, E., Le Ray, D. and Steinert, M.

Characterization of genes coding for two major metacyclic surface antigens in *Trypanosoma brucei*, 9

Delplace, P., Fortier, B., Tronchin, G., Dubremetz, J.-F. and Vernes, A.

Localization, biosynthesis, processing and isolation of a major 126 kDa antigen of the parasitophorous vacuole of *Plasmodium falciparum*, 193

Desai, S., Thissen, J., Dodd, B.A., DuBrul, E.F. and Komuniecki, R.

Immunochemical characterization of the pyruvate dehydrogenase complex in adult *Ascaris suum* and its developing larvae, 203

Dodd, B.A., see Desai, S., 203

DuBrul, E.F., see Desai, S., 203

Dubremetz, J.-F., see Delplace, P., 193

Dvorak, J.A., see Widmer, G., 55

Etges, R., see Ward, J., 1

Evans, W.H., see Allan, D., 123

Evans, W.H., see Payares, G., 129

Fase-Fowler, F., see Borst, P., 31

Favaloro, J.M., see Bianco, A.E., 91

Fenton, B., see Pinswasdi, C., 159

Fortier, B., see Delplace, P., 193

Fritsch, G., see Hempelmann, E., 19

Gercken, G., see Achterberg, V., 117

Gibson, W.C., see Borst, P., 31

Godson, G.N., see Ruiz i Altaba, A., 233

Gordts, B., see De Jonckheere, J.F., 85

Got, R., see Sarciron, M.E., 25

Gröschel-Stewart, U., see Hempelmann, E., 19

Gupta, S., Shukla, O.P. and Walter, R.D.

Putrescine-activated S-adenosylmethionine decarboxylase from Acanthamoeba culbertsoni, 247

Gwadz, R.W., see Ruiz i Altaba, A., 233

Hassan, H.F. and Coombs, G.H.

Phosphomonoesterases of Leishmania mexicana mexicana and other flagellates, 285

Heath, S., Chance, M.L., Hommel, M. and Crampton, J.M. Cloning of a gene encoding the immunodominant surface antigen of *Leishmania donovani* promastigotes, 211

Heidrich, H.-G., see McBride, J.S., 71

Helwig, M., see Wunderlich, F., 103

Hempelmann, E., Schirmer, R.H., Fritsch, G., Hundt, E. and Gröschel-Stewart, U.

Studies on glutathione reductase and methemoglobin from human erythrocytes parasitized with *Plasmodium falcipa-* rum. 19

Hommel, M., see Heath, S., 211

Hommel, M., see Singh, B., 47

Hundt, E., see Hempelmann, E., 19

Iltzsch, M.H. and Mansour, T.E.

Partial purification and characterization of cAMP-dependent protein kinase from Fasciola hepatica, 265

Kemp, D.J., see Bianco, A.E., 91

Kierszenbaum, F., see Ayala, A., 63

King, D.C., see Longworth, D.L., 275

Komuniecki, R., see Desai, S., 203

Laurent, M., see Delauw, M.-F., 9

Le Ray, D., see Delauw, M.-F., 9

Longworth, D.L., King, D.C. and Weller, P.F.

Rapid uptake and esterification of arachidonic acid and other fatty acids by microfilariae of *Brugia malayi*, 275

Mansour, T.E., see Iltzsch, M.H., 265

McBride, J.S. and Heidrich, H.-G.

Fragments of the polymorphic M_r 185 000 glycoprotein from the surface of isolated *Plasmodium falciparum* merozoites form an antigenic complex, 71

McIntyre, P., see Bianco, A.E., 91

Miles, M.A., see Widmer, G., 55

Mole, L.A., see Schimandle, C.M., 39

Monsigny, M., see Singh, B., 47

Mutharia, L.M. and Pearson, T.W.

Surface carbohydrates of procyclic forms of African trypanosomes studied using fluorescence activate cell sorter analysis and agglutination with lectins, 165

Orozco, E., see Arroyo, R., 151

Oya, H., see Aoki, T., 173

Ozaki, L.S., see Ruiz i Altaba, A., 233

Paindavoine, P., see Delauw, M.-F., 9

Pavanand, K., see Pinswasdi, C., 159

Payares, G., see Allan, D., 123

Payares, G. and Evans, W.H.

Surface proteins and antigens of adult Schistosoma mansoni tegumental membranes detached onto poly-lysine coated beads, 129

Pays, E., see Delauw, M.-F., 9

Pearson, T.W., see Mutharia, L.M., 165

Persat, F., see Sarciron, M.E., 25

Petavy, A.-F., see Sarciron, M.E., 25

Philippot, J., see Wunderlich, F., 103

Pinswasdi, C., Thaithong, S., Beale, G.H., Fenton, B., Webster, H.K. and Pavanand, K.

Polymorphism of proteins in malaria parasites following mefloquine treatment, 159

Ray, D.S., see Sugisaki, H., 253

Ruiz i Altaba, A., Ozaki, L.S., Gwadz, R.W. and Godson, G.N.

Organization and expression of the *Plasmodium knowlesi* circumsporozoite antigen gene, 233

Sanderson, B.E., see Scott, D.A., 139

Sanderson, B.E., see Thong, K.-W., 223

Sarciron, M.E., Azzar, G., Persat, F., Petavy, A.-F. and Got, R.

A comparative study of UTP-D-glucose-1-phosphate uridylyl transferase in the cysts of *Echinococcus multilocularis* and the livers of infected and control *Meriones unguiculatus*, 25

Schillinger, G., see Wunderlich, F., 103

Schimandle, C.M., Mole, L.A. and Sherman, I.W.

Purification of hypoxanthine-guanine phosphoribosyltransferase of *Plasmodium lophurae*, 39

Schirmer, R.H., see Hempelmann, E., 19

Scott, D.A., Coombs, G.H. and Sanderson, B.E.

Folate utilisation by *Leishmania* species and the identification of intracellular derivatives and folate-metabolising enzymes, 139

Sherman, I.W., see Schimandle, C.M., 39

Shukla, O.P., see Gupta, S., 247

Singh, B., Monsigny, M. and Hommel, M.

Amino-sugars inhibit the in vitro cytoadherence of *Plas-modium falciparum*-infected erythrocytes to melanoma cells, 47

Speth, V., see Wunderlich, F., 103

Steinert, M., see Delauw, M.-F., 9

Sugisaki, H. and Ray, D.S.

DNA sequence of Crithidia fasciculata kinetoplast minicircles, 253

Thaithong, S., see Pinswasdi, C., 159

Thissen, J., see Desai, S., 203

Thong, K.-W., Coombs, G.H. and Sanderson, B.E. L-Methionine catabolism in trichomonads, 223

Tronchin, G., see Delplace, P., 193

Turner, M.J., see Ward, J., 1

Vernes, A., see Delplace, P., 193

Vial, H., see Wunderlich, F., 103

Walter, R.D., see Gupta, S., 247

Ward, J., Cardoso de Almeida, M.-L., Turner, M.J., Etges, R. and Bordier, C.

An assay of membrane-bound *Trypanosoma brucei* phospholipase using an integral membrane protein substrate and detergent phase separation, 1

Webster, H.K., see Pinswasdi, C., 159

Weller, P.F., see Longworth, D.L., 275

Widmer, G., Dvorak, J.A. and Miles, M.A.

Temperature modulation of growth rates and glucosephosphate isomerase isozyme activity in *Trypanosoma cruzi*, 55

Wunderlich, F., Helwig, M., Schillinger, G., Vial, H., Philippot, J. and Speth, V.

Isolation and characterization of parasites and host cell ghosts from erythrocytes infected with *Plasmodium chabaudi*, 103

Subject Index

Acanthamoeba culbertsoni, 247
Acid phosphatase, 285
Acivicin, 173
S-Adenosylmethionine decarboxylase, 247
Adhesion-deficient mutant, 151
Amastigote, 285
Amino-sugars, 47
Ammonia-dependent, 173
cAMP, 265
Antigen, 71
Arachidonic acid, 275
L-Arginine decarboxyoxidase, 183
Ascaris suum, 203

Berenil, 247
Brugia malayi, 275

Carbamoyl phosphate synthetase 11, 173 Cerebral malaria, 47 Chagas' disease, 63 p-Chloromercuriphenylsulfonic acid, 63 Circumsporozoite, 233 Conserved gene, 91 Crithidia fasciculata, 173, 253 Cytotoxicity, 117

cDNA clone, 91 cDNA cloning, 211 DNA sequence, 253 Double-stranded RNA, 85

Echinococcus multilocularis liver cyst, 25 Eicosaenoic acid, 123 Entamoeba histolytica adhesin, 151 Enzyme, 139 Enzyme polymorphism, 55 Erythrocyte ghost isolation, 103 Ether lysophospholipid, 117 Exoantigens, 193

FACS analysis, 165 Fasciola hepatica, 265 Fatty acid, 123 Filarioidea, 275 Folate, 139

Gene, 9
Giardia, 85
Glucosephosphate isomerase, 55
Glutamine-dependent, 173
Glutathione reductase
Glycophorin-binding protein, 91
γ-Guanidinobutyramide pathway, 183
(Glyco)protein, 71

Heat-stable protein, 91
Host cell invasion, 63
Hybrid selected translation, 211
Hypoxanthine-guanine phosphoribosyltransferase, 39

Inactivation, 173 Isozyme, 55

Kinetoplast DNA, 31, 253

Lectin specificity, 165 Leishmania, 139 Leishmania donovani, 183, 211 Leishmania donovani promastigote, 117 Leishmania major, 1 Leishmania mexicana mexicana, 285

Malaria, 159, 233 Malaria human, 71 Mefloquine, 159 Melanoma cell, 47 Membrane enzyme, 1 Meriones unguiculatus, 25 Merozoite surface, 71 Metacyclic, 9 Methanethiol, 223 Methemoglobin, 19 L-Methionine, 223 Methylglyoxal bis-(guanylhydrazone), 247 Microfilariae, 275 Minicircle, 253 Mitochondrial DNA, 31, 253 Monoclonal antibody, 71, 151, 193

3'-Nucleotidase, 285 5'-Nucleotidase, 285

Parasitophorous vacuole, 193
Phosphatidylinositol, 1
Phospholipase, 1
Phospholipid, 123
Plasmodium, 233
Plasmodium chabaudi, 103
Plasmodium falciparum, 19, 47, 71, 91, 159, 193
Polymorphism, 71
Procyclics of African trypanosomes, 165
Promastigote, 183, 285
Protein kinase (EC 2.7.1.37), 265
Purine salvage enzyme, 39
Pyruvate dehydrogenase complex, 203

Recrudescence, 159 Repeat sequence, 91 mRNA, 211 Schistosoma mansoni, 123, 129 Stage-specific, 233 Stage-specific antigen, 91 Structure, 233 Surface accessible sugars, 165 Surface antigen, 9, 129, 211 Surface membrane, 129 Surface protein, 103, 129

Tegumental membrane, 123, 129 Telomere, 9 Transfection, 85 Trichomonad, 223, 285 Triton X-114, 1
Trophozoite isolation, 103
Trypanosoma brucei, 1, 9
Trypanosoma cruzi, 55, 63
Trypanosoma evansi, 31
Trypanosomatid, 285
Two dimensional electrophoresis, 159

UDP-glucose pyrophosphorylase, 25

Virus, 85 Visceral leishmaniasis, 211

